

(19) World Intellectual Property
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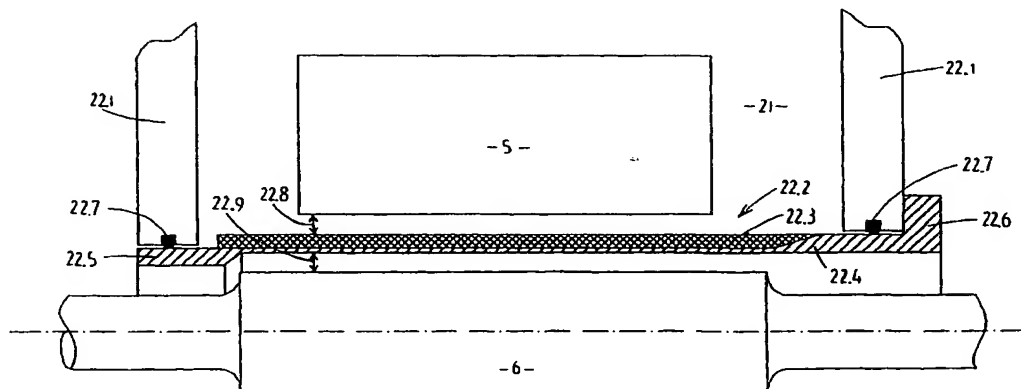
(43) International Publication Date
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number
WO 2004/036052 A1

- (51) International Patent Classification⁷: **F04D 25/06**, 29/02, H02K 5/128
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- (21) International Application Number: PCT/NL2003/000692
- (22) International Filing Date: 13 October 2003 (13.10.2003)
- (25) Filing Language: Dutch
- (26) Publication Language: English
- (30) Priority Data: 1021656 15 October 2002 (15.10.2002) NL
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: COMPRESSOR UNIT



(57) Abstract: A compressor unit comprises a centrifugal compressor (1) for compressing a gas and an electric motor (4) with a stator (5) and a rotor (6) for driving the compressor (1). The compressor (1) and the electric motor (4) are accommodated in a common gastight housing (7), provided with a gas inlet (8) and a gas outlet (9). The stator (5) is accommodated in a separate stator space (21) which is delimited by a wall section, surrounding the stator (5), of the housing (7), a gastight partition (22.2) which extends freely between the stator (5) and the rotor (6) of the electric motor (4), and at least one end wall (22.1) which extends between the partition (22.2) and the housing (7) of the compressor unit. The partition (22.2) comprises a material of such high strength that it remains clear of the stator (5) and the rotor (6) under working pressures of the gas.

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